START.HOME WEBAPP DESIGN

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BATHROOM OUTLETS
BEDROOM OUTLETS
KITCHEN OUTLETS
STUDIO OUTLETS
LIVING OUTLETS
EXTERIOR OUTLETS
BATHROOM LIGHTS
BEDROOM LIGHTS
KITCHEN LIGHTS
STUDIO LIGHTS
EXTERIOR LIGHTS
HVAC - 3 MINISPLITS
HRV
CONTROL SYSTEM
SHADE MOTORS
WINDOW ACTUATORS
IRRIGRATION PUMP
WATER HEATER
WASHER
DRYER
CAR CHARGER
OVEN
FRIDGE
DISHWASHER
GARBAGE DISPOSAL

SOLAR

48 PANELS (THIN FILM)
each MAX CAPATCIY ~150W
~7kW per hour in max sunlight

BATHROOM
FAUCET
TOILET
SHOWER

KITCHEN
FAUCET
DISHWASER

IRRIGATION

WATER

START.HOME WEBAPP DESIGN

APPROACH

to create a real-time eco-feedback system that uses the resident's interaction with energy as a driving dimension of the home's energy narrative

to define a narrative structure, through shifting measures of time (hours to seasons), we hope to maximize the notion of this application as growing and living with the resident

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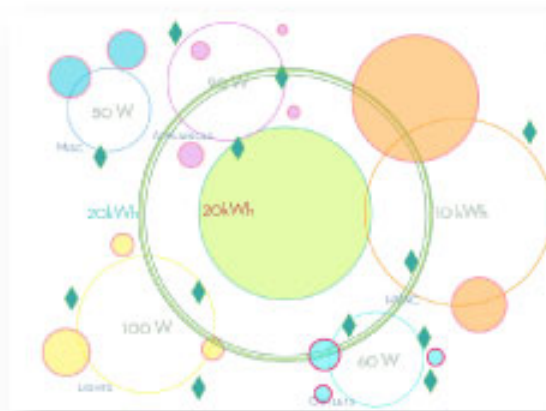
VIEWS

AMBIENT
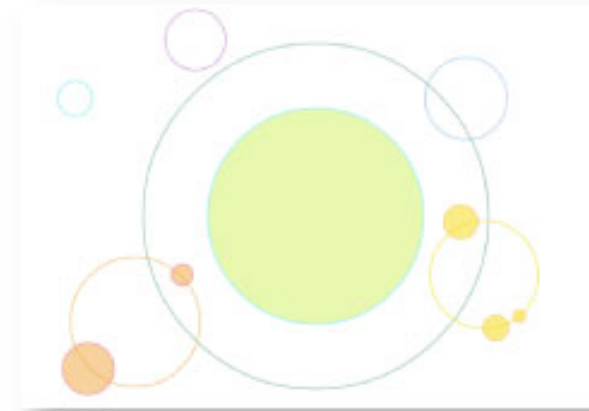
REALTIME

PAST

GOALS

RESOURCES

CONTROL

INFO

START.HOME WEBAPP DESIGN

- give general sense of how one is doing in general in terms of over consumption
--glancable sense of quanity for that day : where and what

mockup

d3 prototype

motif : buoyancy
-negative vs positive space for indicating quantity of energy used for day thus far

- desaturation or hue shift for indicating whether the "circuit" ~ "circle" has gone near or below the baseline goal/avg. usage for the category


processing prototype

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- illustrate their behavior in relation to time at circuit granularity

--respond to events

---tie exploration of energy visualization closely to setting goals as informed by current day

----provide different ways to view the same visualization (maybe linear and radial)

-----use brushing and linking to drill down

------possibly provide "overlays"
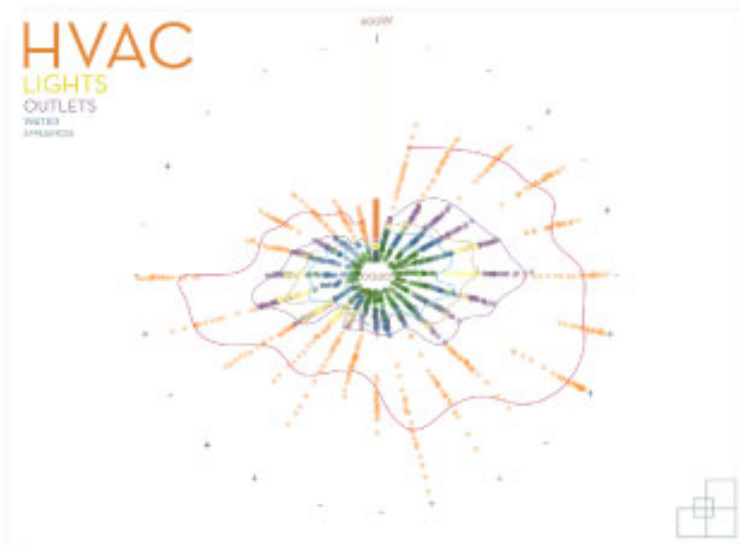
raidal clock mockup

unwinds
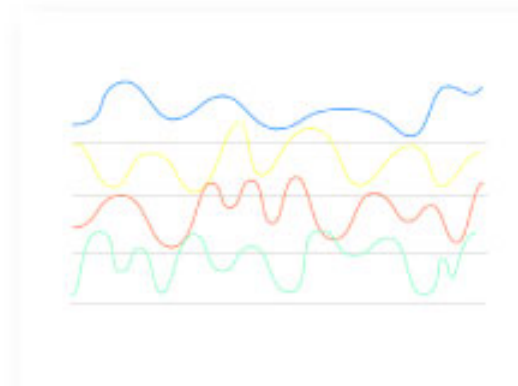
linear category seperatio

each circuit in category

AMBIENT

REALTIME

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START.HOME WEBAPP DESIGN

NAVIGATION SCHEMES

METAPHORICAL

LENS/GOGGLES

TIME CONTNUUM

SPATIAL

RESOURCES

PEAK

INFO | PEAK | REALTIME | PEAK | CONTROL

PEAK

PAST